

Title (en)

AUTOMATIC CONTROL DEVICE FOR CONTROLLING THE LOCK OF A DIFFERENTIAL

Publication

EP 0118155 B1 19881019 (EN)

Application

EP 84200265 A 19840224

Priority

IT 6724183 A 19830303

Abstract (en)

[origin: EP0118155A1] An automatic control device for controlling the lock of a differential is formed by a sensor (V1) which senses the speed of the input element (15) of the differential (10) and a second sensor (V2) which senses the speed of the driven element (18) of the differential (10); the two sensors (V1, V2) supply the detected signals to a microprocessor (20) which processes them and, when the difference between said values exceeds a preset activation threshold, activates an electrovalve (E) which, by drawing oil under pressure from the lubrication circuit (24) of the motor (13), controls a cylinder (21) which engages a clutch (22) located between the crown wheels (17) of the differential, thereby locking it.

IPC 1-7

F16H 1/445; **B60K 17/34**

IPC 8 full level

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CPC (source: EP)

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Citation (examination)

- WO 8201354 A1 19820429 - MASSEY FERGUSON SERVICES NV [NL]
- Zahnradgetriebe, J. Looman, 234-237, Springer-Verlag 1970

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